

SEQUENCE LISTING

```
<110> Bozzoni, Irene
      Denti, Michela Alessandra
      Rosa, Alessandro
      Universita degli Studi di Roma "La Sapienza"
<120> siRNA expression system
<130> 2312.001US1
<140> US 10/564,020
<141> 2004-07-09
<150> PCT/IT04/000381
<151> 2004-07-09
<150> IT RM2003A000335
<151> 2003-07-09
<160> 29
<170> FastSEQ for Windows Version 4.0
<210> 1
<211> 11
<212> RNA
<213> Artificial Sequence
<220>
<223> A synthetic pre-siRNA 3' terminus
<400> 1
uuuauccccu q
                                                                    11
<210> 2
<211> 30
<212> DNA
<213> Artificial Sequence
<223> A synthetic linker oligonucletide
<400> 2
gatctggtac cctcgaggct agcggatccg
                                                                    30
<210> 3
<211> 30
<212> DNA
<213> Artificial Sequence
<220>
<223> A synthetic linker oligonucletide
<400> 3
ctagcggatc cgctagcctc gagggtacca
                                                                    30
<210> 4
<211> 98
<212> DNA
<213> Artificial Sequence
```

• •) •

```
<220>
<223> A synthetic oligonucletide
<400> 4
gatctcatac agggcaattg gcagatcaag cgtttgtgta gcgcttgatc tgccaattgc 60
cctttatccc ctgactttct ggagtttcaa aagtagac
<210> 5
<211> 98
<212> DNA
<213> Artificial Sequence
<220>
<223> A synthetic oligonucletide
<400> 5
tcgagtctac ttttgaaact ccagaaagtc aggggataaa gggcaattgg cagatcaagc 60
gctacacaaa cgcttgatct gccaattgcc ctgtatga
<210> 6
<211> 98
<212> DNA
<213> Artificial Sequence
<220>
<223> A synthetic oligonucletide
<400> 6
gatctcatac agggcaattg gcagatcaag cgtttgtgta gcgcttgatc tgccaattgc 60
cctttatccc ctgactttct ggagtttcaa aagtagac
<210> 7
<211> 98
<212> DNA
<213> Artificial Sequence
<220>
<223> A synthetic oligonucletide
<400> 7
tcgagtctac ttttgaaact ccagaaagtc aggggataaa gggcaattgg cagatcaagc 60
gctacacaaa cgcttgatct gccaattgcc ctgtatga
<210> 8
<211> 84
<212> DNA
<213> Artificial Sequence
<223> A synthetic oligonucletide
<400> 8
gatctcgggc aattggcaga tcaagcgttt gtgtagcgct tgatctgcca attgccctta 60
ctttctggag tttcaaaagt agac
<210> 9
<211> 84
<212> DNA
<213> Artificial Sequence
<220>
<223> A synthetic oligonucletide
```

• • •

```
<400> 9
tcgagtctac ttttgaaact ccagaaagta agggcaattg gcagatcaag cgctacacaa 60
acgcttgatc tgccaattgc ccga
<210> 10
<211> 113
<212> DNA
<213> Artificial Sequence
<220>
<223> A synthetic oligonucletide
<400> 10
gatctcgggc aattggcaga tcaagcgttt gacttcgcat gaatqaqttc attcatqaaq 60
cgaaacgctt gatctgccaa ttgcccttac tttctggagt ttcaaaagta gag
<210> 11
<211> 113
<212> DNA
<213> Artificial Sequence
<220>
<223> A synthetic oligonucletide
ctagctctac ttttgaaact ccagaaagta agggcaattg gcagatcaag cgtttcgctt 60
catgaatgaa ctcattcatg cgaagtcaaa cgcttgatct gccaattgcc cga
<210> 12
<211> 84
<212> DNA
<213> Artificial Sequence
<220>
<223> A synthetic oligonucleotide
<400> 12
gatctcgggc aattgcgaga tcaagcgttt gtgtagcgct tgatctcgca attgccctta 60
ctttctggag tttcaaaagt agac
                                                                    84
<210> 13
<211> 84
<212> DNA
<213> Artificial Sequence
<220>
<223> A synthetic oligonucleotide
<400> 13
ctgagtctac ttttgaaact ccagaaagta agggcaattg cgagatcaag cgctacacaa 60
acgcttgatc tcgcaattgc ccga
                                                                    84
<210> 14
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> A synthetic probe
<400> 14
ggcaattggc agatcaagcg
                                                                    20
```

```
<210> 15
<211> 20
<212> DNA
<213> Artificial Sequence
<223> A synthetic probe
<400> 15
ggcaattgcg agatcaagcg
                                                                    20
<210> 16
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> A synthetic probe
<400> 16
cgcttgatct gccaattgcc
                                                                    20
<210> 17
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<223> A synthetic box element
<400> 17
gtttcaaaag tagac
                                                                    15
<210> 18
<211> 30
<212> DNA
<213> Artificial Sequence
<220>
<223> A synthetic terminator element
<400> 18
cccctrcttt ctggagtttc aaaagtagac
                                                                    30
<210> 19
<211> 399
<212> DNA
<213> Artificial Sequence
<220>
<223> A synthetic oligonucleotide
ggatccggta aggaccagct tctttgggag agaacagacg cagggggggg agggaaaaag 60
ggagaggcag acgtcacttc cccttggcgg ctctggcagc agattggtcg gttgagtggc 120
agaaaggcag acggggactg ggcaaggcac tgtcggtgac atcacggaca gggcgacttc 180
tatgtagatg aggcagcgca gaggctgctg cttcgccact tgctgcttca ccacgaagga 240
gttcccgtgc cctgggagcg ggttcaggac cgctgatcgg aagtgagaat cccagctgtg 300
tgtcagggct ggaaagggct cgggagtgcg cggggcaagt gaccgtgtgt gtaaagagtg 360
aggcgtatga ggctgtgtcg gggcagaggc ccaagatct
```

At you w

```
<210> 20
<211> 108
<212> DNA
<213> Artificial Sequence
<223> A synthetic oligonucleotide
<400> 20
gatctcatac agggcaattg gcagatcaag cgttgtgaag ccacagatga acgcttgatc 60
tgccaattgc cctttatccc ctgactttct ggagtttcaa aagtagac
<210> 21
<211> 108
<212> DNA
<213> Artificial Sequence
<220>
<223> A synthetic oligonucleotide
<400> 21
tegagtetae tittgaaact ceagaaagte aggggataaa qqqeaattqq caqateaaqe 60
gttcatctgt ggcttcacaa cgcttgatct gccaattgcc ctgtatga
<210> 22
<211> 84
<212> DNA
<213> Artificial Sequence
<220>
<223> A synthetic oligonucleotide
<400> 22
gatctcgggc aattggcaga tcaagcgttt gtgtagcgct tgatctgcca attgccctta 60
ctttctggag tttcaaaagt agac
<210> 23
<211> 84
<212> DNA
<213> Artificial Sequence
<220>
<223> A synthetic oligonucleotide
tcgagtctac ttttgaaact ccagaaagta agggcaattg gcagatcaag cgctacacaa 60
acgettgate tgccaattge cega
                                                                    84
<210> 24
<211> 36
<212> DNA
<213> yeast sp.
<400> 24
tgacttcgca tgaatgagtt cattcatgaa gcgaaa
                                                                    36
<210> 25
<211> 36
<212> DNA
<213> yeast sp.
```

نتي ونبعاھ

<400> 25 tttcgcttca tgaatgaact cattcatgcg aagtca	36
<210> 26 <211> 77 <212> RNA	
<213> Artificial Sequence	
<220> <223> A synthetic snRNA sequence	
<400> 26	
auacagggca auuggcagau caagcguugu gaagccacag augaacgcuu gaucugccaa uugcccuuua uccccug	60 77
<210> 27	
<211> 67	
<212> RNA	
<213> Artificial Sequence	
<220>	•
<223> A synthetic snRNA sequence	
<400> 27	
auacagggca auuggcagau caagcguuug uguagcgcuu gaucugccaa uugcccuuua	60
uccccug	67
<210> 28	
<211> 53	
<212> RNA	
<213> Artificial Sequence	
<220>	
<223> A synthetic snRNA sequence	
<400> 28	
gggcaauugg cagaucaagc guuuguguag cgcuugaucu gccaauugcc cuu	53
ssseadads edgadeddge gadagagad egeddgaded geedadagee ead	53
<210> 29	
<211> 82	
<212> RNA	
<213> Artificial Sequence	
<220>	
<223> A synthetic snRNA sequence	
<400> 29	
gggcaauugg cagaucaagc guuugacuuc gcaugaauga guucauucau gaagcgaaac	60
gcuuqaucuq ccaauuqccc uu	82

.